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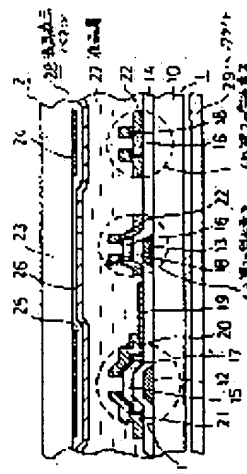
(54) LIQUID CRYSTAL DISPLAY DEVICE

(57)Abstract:

PURPOSE: To make a display screen legible without regard to light or darkness of surroundings and variation in the quantity of light of a back light itself by detecting the brightness of the atmosphere and the brightness of the back light through photodetecting elements, and adjusting the quantity of back light lighting according to the balance between the detected quantity of ambient light and the detected quantity of back light lighting.

CONSTITUTION: This device is equipped with a circuit which detects the quantities of light incident on the photodetecting elements 4a and 4b and a circuit which adjusts the quantity of output light of the back light 29 according to the quantities of light incident on the photodetecting elements 4a and 4b. Then the ambient

brightness is detected through the photodetecting element 4a and the quantity of back light lighting is adjusted automatically according to the detected quantity of ambient light; and the quantity of light of the back light itself is detected by the photodetecting element 4b and fed back for the light quantity control over the back light 29. Consequently, the contrast ratio goes to hard to vary and the display screen is made legible without regard to variation in the brightness of the ambient light and variation in the quantity of light of the back light 29 itself.



LEGAL STATUS

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